

**DRILL PIPE SPECIFICATION SHEET**

**3 1/2" – NC38 – 4.875" OD X 2.563" ID – DRILL PIPE**

TUBE / PIPE BODY	NOMINAL	
PIPE BODY OD	3.500	in
PIPE BODY ID	2.602	in
WEIGHT	15.50	lbs/ft
WALL THICKNESS	0.449	in
GRADE	S-135	
TYPE OF UPSET	EU	
MAXIMUM UPSET OD	3.875	in
RANGE	2	

TOOL JOINT SPECIFICATIONS	NOMINAL	
TOOL JOINT DESCRIPTION	NC38	
TOOL JOINT OD	4.875	in
TOOL JOINT ID	2.563	in
PIN TONG LENGTH	10	in
BOX TONG LENGTH	12.5	in
TOOL JOINT SMYS	120,000	psi
DRIFT	2.438	in
TOOL JOINT TORSIONAL	20,194	ft-lbs

PIPE BODY PERFORMANCE	INSPECTION CLASS	
	NOMINAL	API PREMIUM 80%
REMAINING BODY WALL (RBW)	0.449	0.359 in
BURST PRESSURE*	30,308	27,710 psi
COLLAPSE PRESSURE*	30,194	26,049 psi
SLIP CRUSHING CAPACITY*	453,144	356,506 lbs
- ASSUMED SLIP LENGTH		16.5 in
- ASSUMED TRANSVERSE LOAD FACTOR (K)		4.2
ADJUSTED WEIGHT**		17.7 lbs/ft
FLUID DISPLACEMENT**		0.0062 bbls/ft
FLUID CAPACITY**		0.0067 bbls/ft
TUBE TENSILE		451,115 lbs
TUBE TORSIONAL		29,063 ft-lbs



NOMINAL BURST CALCULATED AT 87.5% RBW PER API  
 \*WITH NO AXIAL LOAD OR BENDING IN STRING  
 \*\*BEST ESTIMATE

MAKEUP TORQUE SPECIFICATIONS	THREAD COMPOUND FRICTION FACTOR	
	1.00 FF	1.15 FF*
MAXIMUM MAKEUP TORQUE	12,057 ft-lbs	13,866* ft-lbs
MINIMUM MAKEUP TORQUE	10,057 ft-lbs	11,566* ft-lbs
TOOL JOINT TORSIONAL	20,194 ft-lbs	23,223* ft-lbs
CONNECTION TENSILE	649,158 lbs	

\*FRICTION FACTOR ADJUSTMENT BASED ON USING COPPER BASED THREAD COMPOUND WITH A FRICTION FACTOR OF 1.15.  
 \*WHEN APPLYING A 1.15 FF THREAD COMPOUND THE TOOL JOINT TORSIONAL STRENGTH WILL INCREASE BY AN ADDITIONAL 15%.

- MAXIMUM MAKEUP TORQUE SHOULD BE USED WHEN POSSIBLE.
- IT IS RECOMMENDED THAT DRILLING TORQUE SHOULD NOT EXCEED 80% OF MAKEUP TORQUE.

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**Start saving time and money today!**

To order your 3 1/2", NC38 Drill Pipe for your offshore & land needs, or for further information, please contact:

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